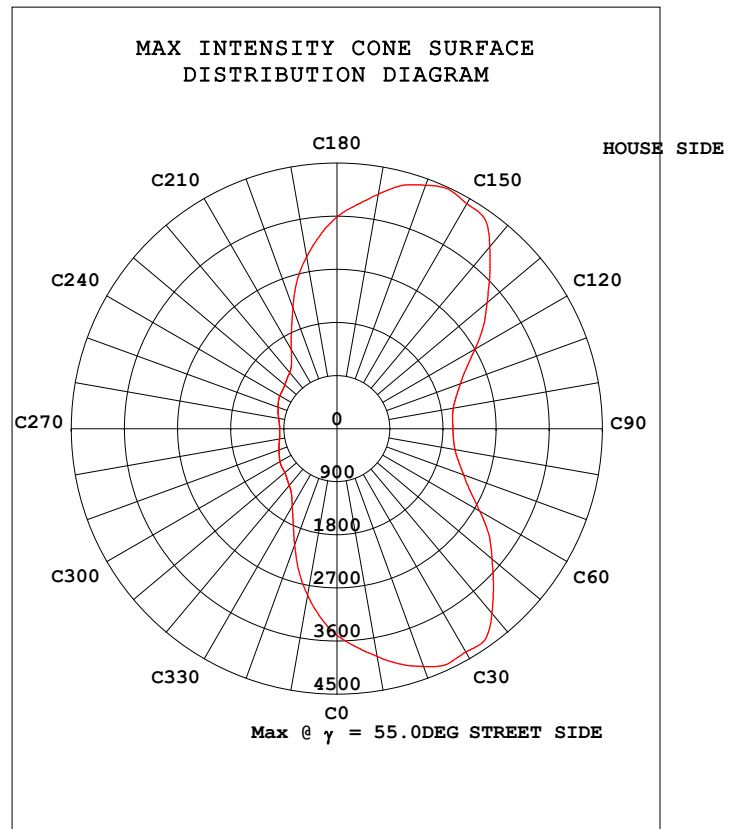
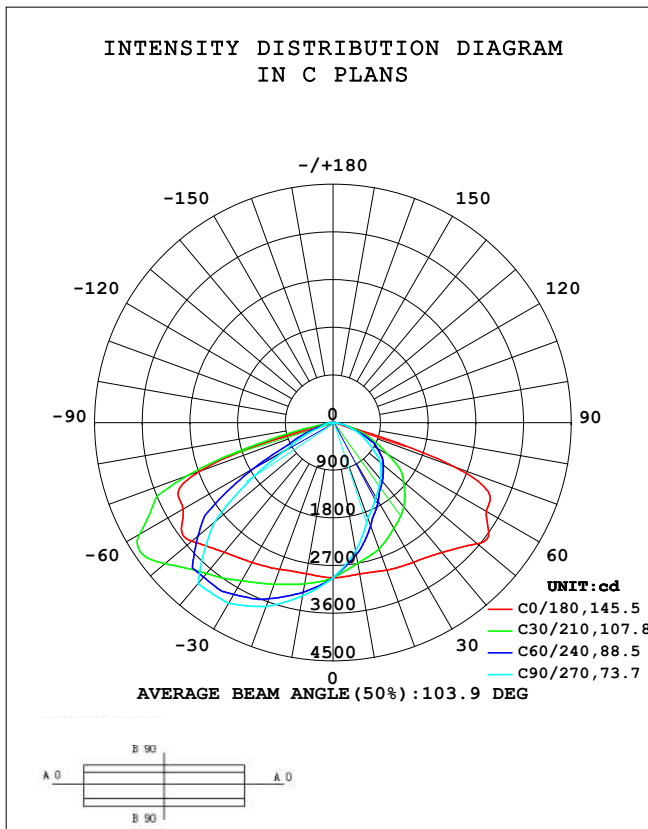


STREETLIGHT PHOTOMETRIC TEST REPORT

| | | | | | |
|---|--|--|-----------------------|--|------------------|
| Test:U:220.8V I:0.3440A P:75.03W PF:0.9880 Lamp Flux:10719x1 lm | | | | | |
| NAME: OPCITYIII-75W-4070-6C1T2S-70 | | | TYPE:LED | | WEIGHT: |
| SPEC.: | | | DIM.: 0.44X0.195X0.04 | | SERIAL No.:1 |
| MFR.: LUXSUN | | | SUR.:0.16X0.12 | | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 142.86 lm/W | | | |
|-------------------|-------|-----------------------------------|----------|------------------------|---------|
| MODEL | LED | Imax (cd) | 4478 | η street_up (%) | 0.0 |
| NOMINAL POWER (W) | 75 | LOR (%) | 100.0 | η street_down (%) | 51.3 |
| RATED VOLTAGE (V) | 220 | TOTAL FLUX (lm) | 10719 | η house_up (%) | 0.0 |
| NOMINAL FLUX (lm) | 10719 | MAXIMUM @ (C, γ) | 155,55.0 | η house_down (%) | 48.7 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | 76 FLASHAREA (m2) | 0.00100 |
| TEST VOLTAGE (V) | 220 | η down (%) | 100.0 | SLI | 18.080 |



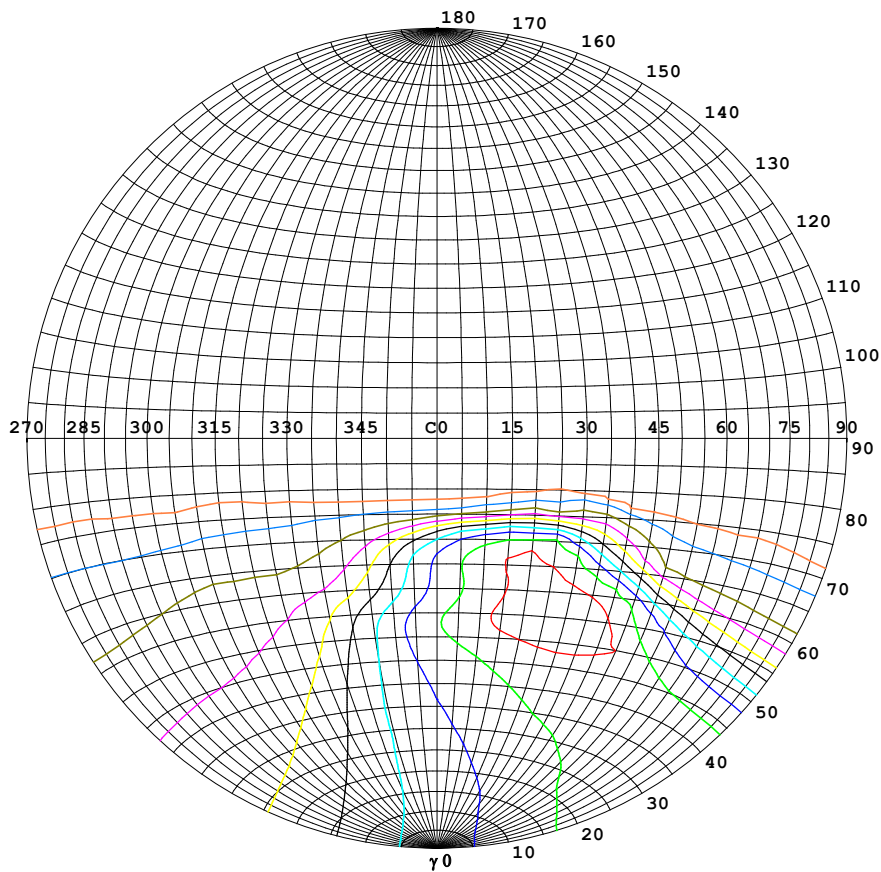
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

| | | |
|---|-----------------------|------------------|
| Test:U:220.8V I:0.3440A P:75.03W PF:0.9880 Lamp Flux:10719x1 lm | | |
| NAME: OPCITYIII-75W-4070-6C1T2S-70 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 0.44X0.195X0.04 | SERIAL No.:1 |
| MFR.: LUXSUN | SUR.:0.16X0.12 | Shielding Angle: |



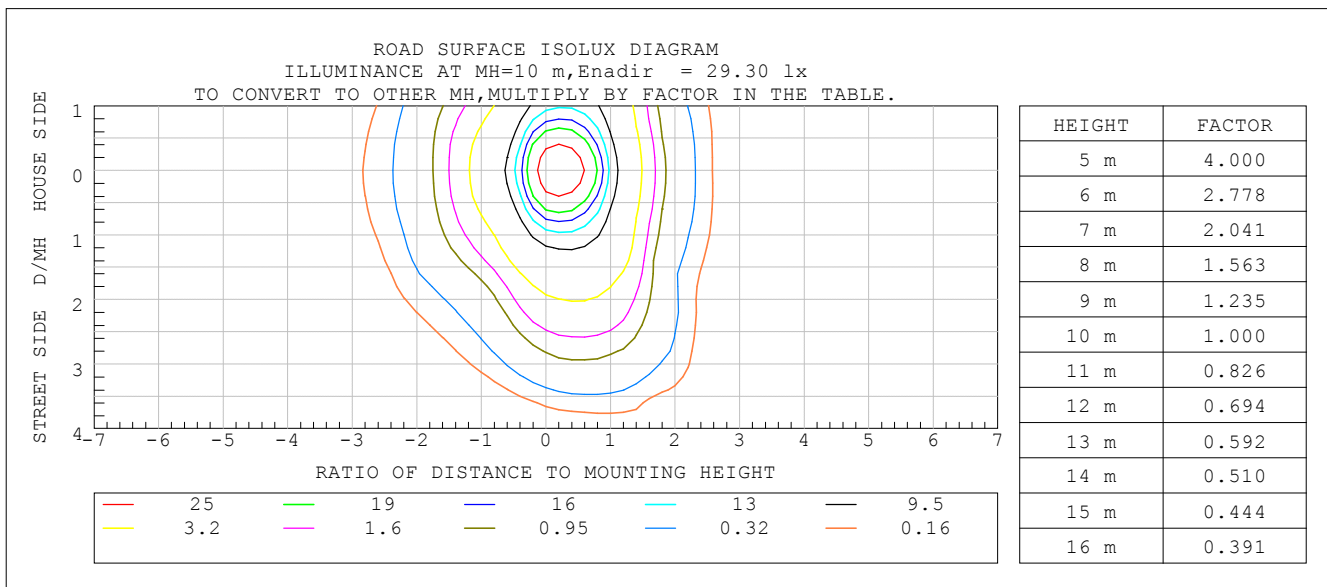
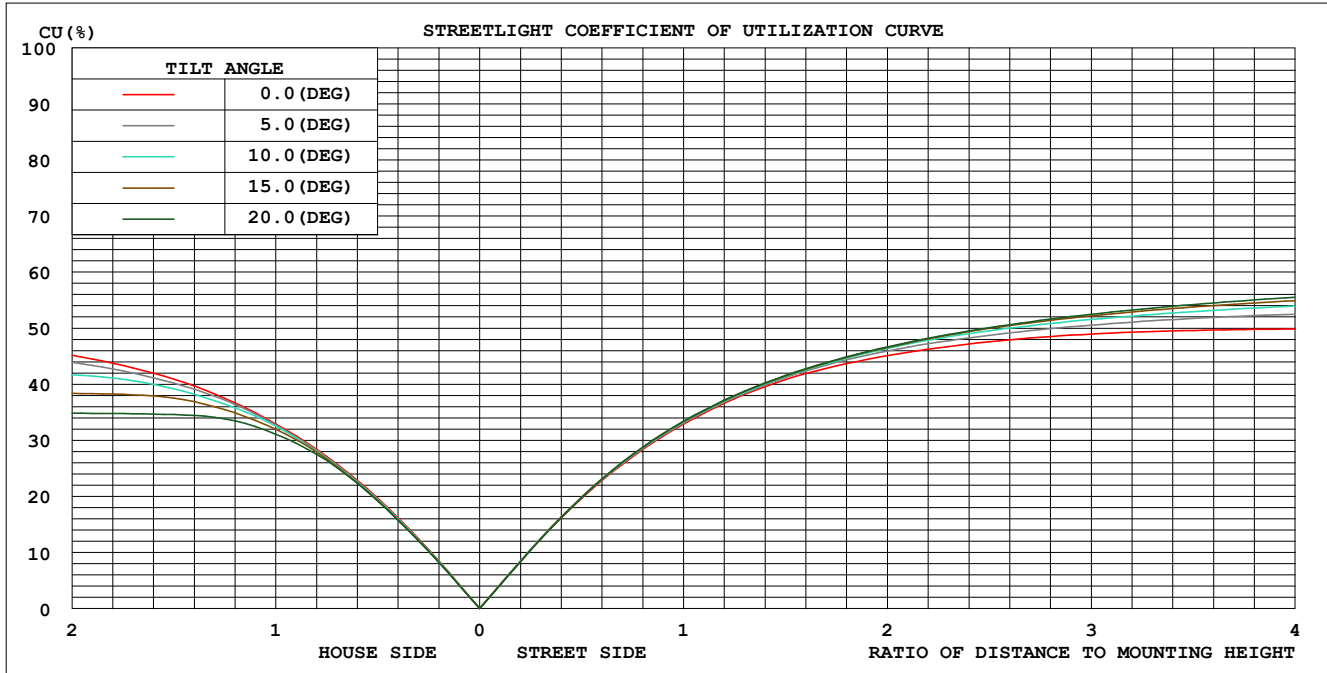
Classification:

IES:Type IV - Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:22.47cd/klm
Max.At90:3.826cd/klm
Max.80-90:22.47cd/klm

| ISOCANDELA DIAGRAM | |
|--------------------|------|
| UNIT | cd |
| Imax=100% | 4478 |
| 90% | 4031 |
| 80% | 3583 |
| 70% | 3135 |
| 60% | 2687 |
| 50% | 2239 |
| 40% | 1791 |
| 30% | 1344 |
| 20% | 896 |
| 10% | 448 |
| 5% | 224 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

| | | |
|---|-----------------------|------------------|
| Test:U:220.8V I:0.3440A P:75.03W PF:0.9880 Lamp Flux:10719x1 lm | | |
| NAME: OPCITYIII-75W-4070-6C1T2S-70 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 0.44X0.195X0.04 | SERIAL No.:1 |
| MFR.: LUXSUN | SUR.:0.16X0.12 | Shielding Angle: |

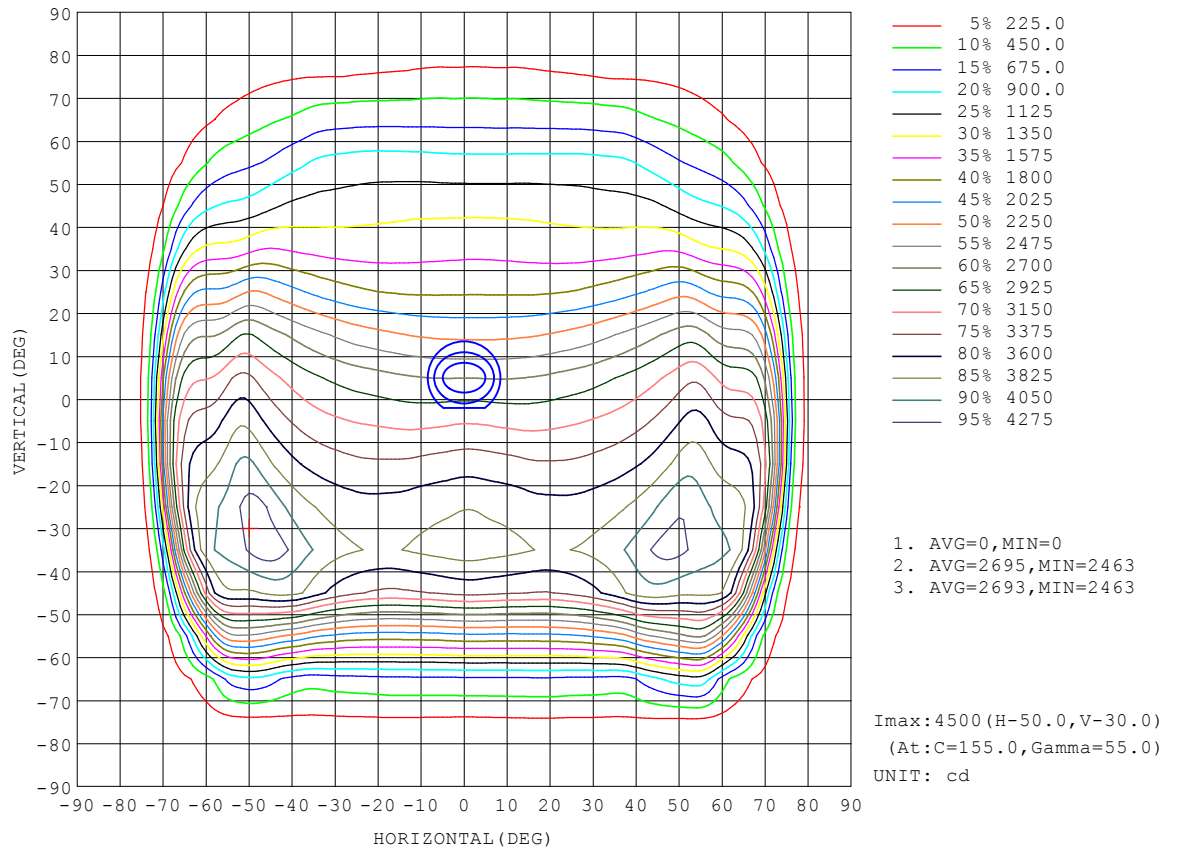
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | *lum,lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|--------|---------|-----------|
| 5 | 2913 | 3059 | 3124 | 3058 | 2915 | 2760 | 2697 | 2758 | 0- 5 | 69.75 | 69.75 | 0.65,0.65 |
| 10 | 2898 | 3174 | 3319 | 3174 | 2902 | 2606 | 2465 | 2596 | 5- 10 | 207.4 | 277.2 | 2.59,2.59 |
| 15 | 2908 | 3289 | 3507 | 3289 | 2921 | 2464 | 2192 | 2443 | 10- 15 | 341.9 | 619.1 | 5.78,5.78 |
| 20 | 2949 | 3389 | 3696 | 3397 | 2965 | 2278 | 1919 | 2256 | 15- 20 | 471.9 | 1091 | 10.2,10.2 |
| 25 | 2998 | 3502 | 3818 | 3514 | 3003 | 2091 | 1771 | 2066 | 20- 25 | 597.4 | 1688 | 15.8,15.8 |
| 30 | 3051 | 3606 | 3939 | 3618 | 3044 | 1927 | 1623 | 1905 | 25- 30 | 718.4 | 2407 | 22.5,22.5 |
| 35 | 3112 | 3707 | 3953 | 3715 | 3102 | 1755 | 1510 | 1742 | 30- 35 | 834.0 | 3241 | 30.2,30.2 |
| 40 | 3197 | 3814 | 3967 | 3824 | 3202 | 1573 | 1397 | 1562 | 35- 40 | 941.5 | 4182 | 39,39 |
| 45 | 3316 | 3907 | 3445 | 3898 | 3347 | 1468 | 1288 | 1457 | 40- 45 | 1034 | 5216 | 48.7,48.7 |
| 50 | 3485 | 4030 | 2924 | 4002 | 3558 | 1330 | 1179 | 1329 | 45- 50 | 1099 | 6315 | 58.9,58.9 |
| 55 | 3498 | 3753 | 1966 | 3664 | 3589 | 1200 | 973.3 | 1201 | 50- 55 | 1127 | 7442 | 69.4,69.4 |
| 60 | 3272 | 3345 | 1009 | 3206 | 3344 | 1036 | 767.5 | 1054 | 55- 60 | 1048 | 8490 | 79.2,79.2 |
| 65 | 3227 | 1994 | 627.2 | 1778 | 3271 | 782.0 | 609.4 | 818.7 | 60- 65 | 895.8 | 9385 | 87.6,87.6 |
| 70 | 2675 | 1020 | 245.6 | 776.2 | 2414 | 535.0 | 451.2 | 552.8 | 65- 70 | 723.3 | 10109 | 94.3,94.3 |
| 75 | 759.7 | 333.3 | 172.3 | 287.7 | 332.8 | 329.6 | 291.9 | 325.7 | 70- 75 | 420.6 | 10529 | 98.2,98.2 |
| 80 | 151.5 | 152.2 | 98.97 | 142.9 | 104.2 | 170.7 | 132.7 | 171.3 | 75- 80 | 134.5 | 10664 | 99.5,99.5 |
| 85 | 75.53 | 38.81 | 0 | 37.50 | 40.34 | 34.84 | 0 | 35.85 | 80- 85 | 47.76 | 10712 | 99.9,99.9 |
| 90 | 41.01 | 0 | 0 | 0 | 34.67 | 0 | 0 | 0 | 85- 90 | 7.425 | 10719 | 100,100 |
| 95 | | | | | | | | | 90- 95 | | | |
| 100 | | | | | | | | | 95-100 | | | |
| 105 | | | | | | | | | 100-105 | | | |
| 110 | | | | | | | | | 105-110 | | | |
| 115 | | | | | | | | | 110-115 | | | |
| 120 | | | | | | | | | 115-120 | | | |
| 125 | | | | | | | | | 120-125 | | | |
| 130 | | | | | | | | | 125-130 | | | |
| 135 | | | | | | | | | 130-135 | | | |
| 140 | | | | | | | | | 135-140 | | | |
| 145 | | | | | | | | | 140-145 | | | |
| 150 | | | | | | | | | 145-150 | | | |
| 155 | | | | | | | | | 150-155 | | | |
| 160 | | | | | | | | | 155-160 | | | |
| 165 | | | | | | | | | 160-165 | | | |
| 170 | | | | | | | | | 165-170 | | | |
| 175 | | | | | | | | | 170-175 | | | |
| 180 | | | | | | | | | 175-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | UNIT:lm | | | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

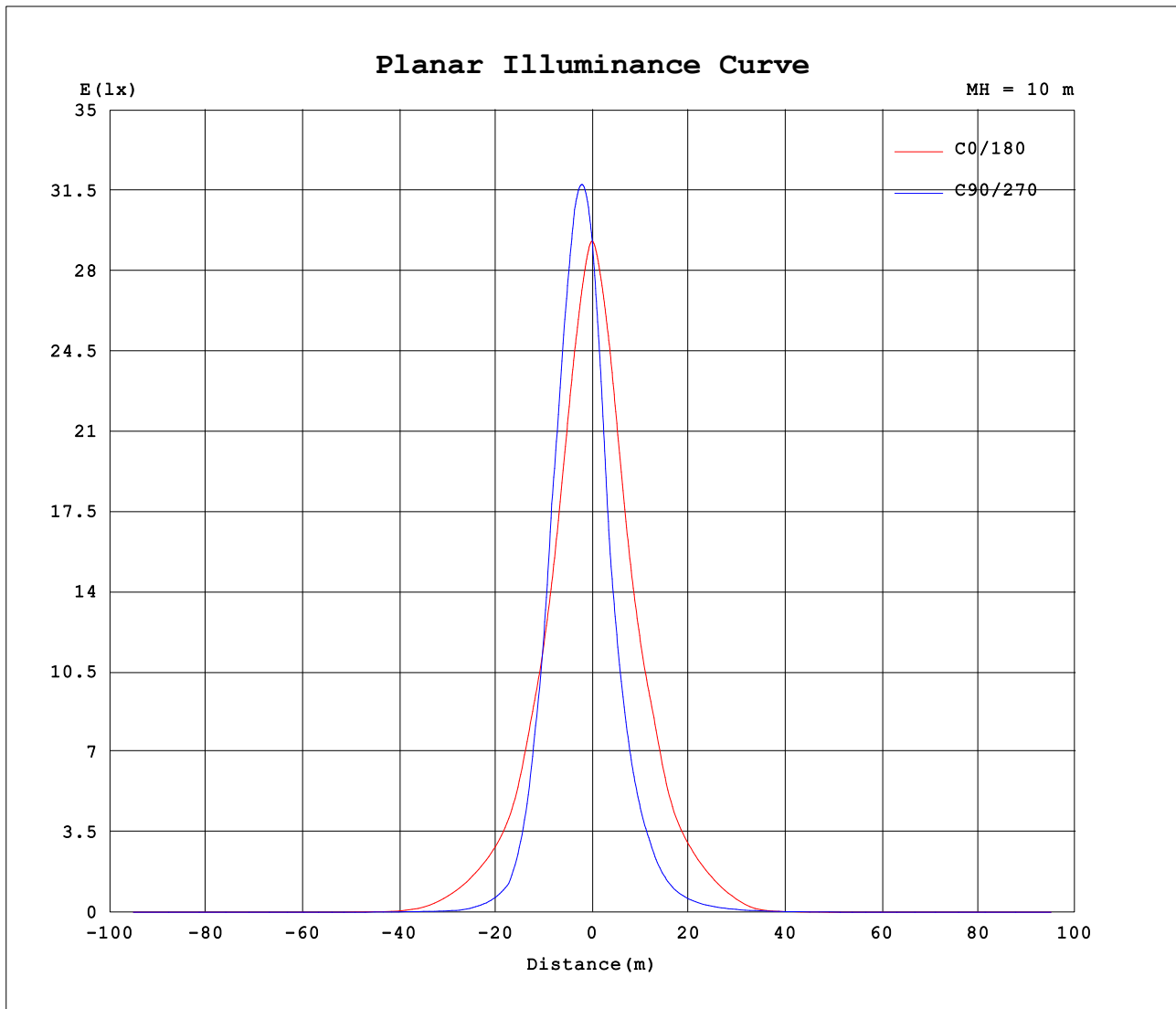
| | | |
|---|-----------------------|------------------|
| Test:U:220.8V I:0.3440A P:75.03W PF:0.9880 Lamp Flux:10719x1 lm | | |
| NAME: OPCITYIII-75W-4070-6C1T2S-70 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 0.44X0.195X0.04 | SERIAL No.:1 |
| MFR.: LUXSUN | SUR.:0.16X0.12 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



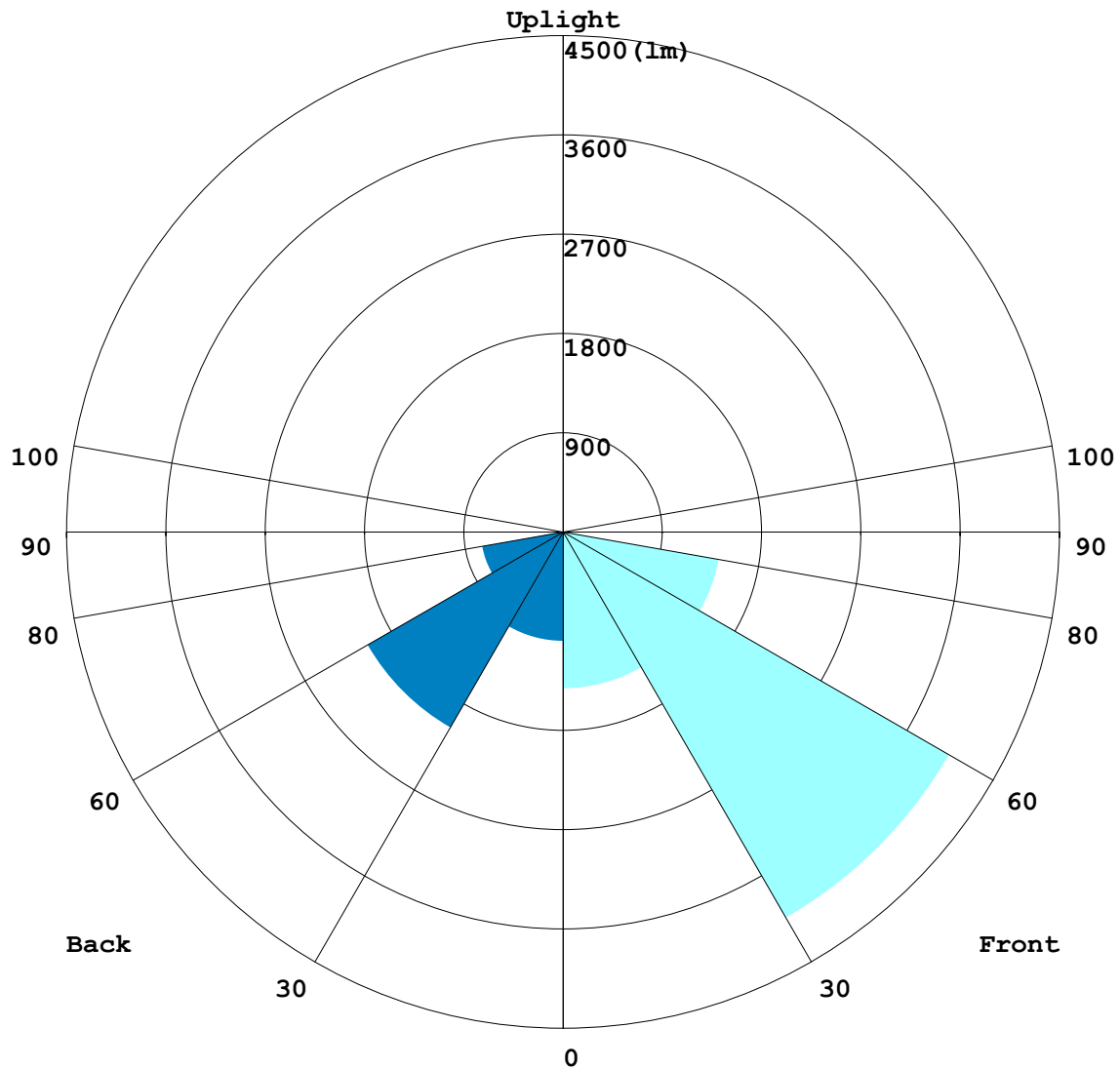
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

| | | |
|---|-----------------------|------------------|
| Test:U:220.8V I:0.3440A P:75.03W PF:0.9880 Lamp Flux:10719x1 lm | | |
| NAME: OPCITYIII-75W-4070-6C1T2S-70 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 0.44X0.195X0.04 | SERIAL No.:1 |
| MFR.: LUXSUN | SUR.:0.16X0.12 | Shielding Angle: |

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

| | | |
|---|-----------------------|------------------|
| Test:U:220.8V I:0.3440A P:75.03W PF:0.9880 Lamp Flux:10719x1 lm | | |
| NAME: OPCITYIII-75W-4070-6C1T2S-70 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 0.44X0.195X0.04 | SERIAL No.:1 |
| MFR.: LUXSUN | SUR.:0.16X0.12 | Shielding Angle: |

IESNA Luminaire Flux Distribution Table:

| Zone | Lumens | Luminaire % |
|------------------------------|--------|-------------|
| FL - Front-Low(0-30) | 1417.7 | 13.2 |
| FM - Front-Medium(30-60) | 4038 | 37.7 |
| FH - Front-High(60-80) | 1431.3 | 13.4 |
| FVH - Front-Very High(80-90) | 28.946 | 0.3 |
| Total Forward Light | 6915.9 | 64.5 |

| | | |
|-----------------------------|--------|------|
| BL - Back-Low(0-30) | 989.03 | 9.2 |
| BM - Back-Medium(30-60) | 2044.9 | 19.1 |
| BH - Back-High(60-80) | 742.98 | 6.9 |
| BVH - Back-Very High(80-90) | 26.238 | 0.2 |
| Total Back Light | 3803.2 | 35.5 |

| | | |
|----------------------------|---|-----|
| UL - Uplight-Low(90-100) | 0 | 0.0 |
| UH - Uplight-High(100-180) | 0 | 0.0 |
| Total Up Light | 0 | 0.0 |

| | |
|---------------------------|----------|
| BUG(Back,Up,Glare) Rating | B2-U0-G2 |
|---------------------------|----------|

| Zone | Downward Lumens | Upward Lumens | Total Lumens |
|-------------|--------------------|------------------|-----------------|
| House Side | 3803.2 | 0 | 3803.2 |
| Street Side | 6915.9 | 0 | 6915.9 |

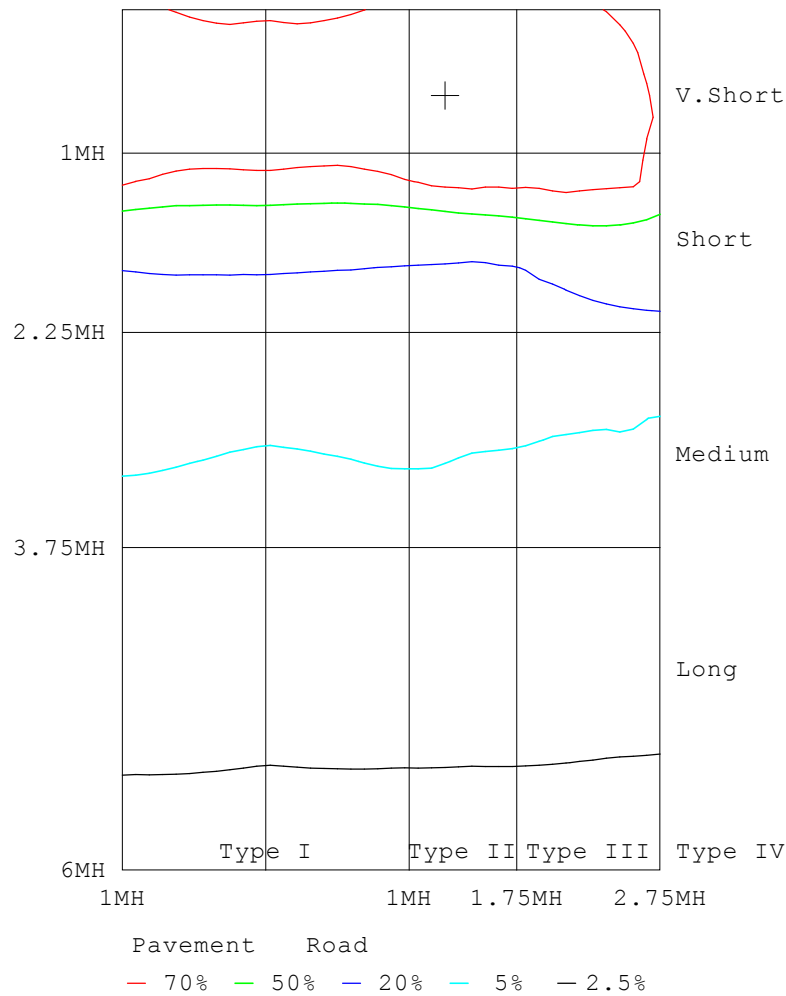
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

| | | |
|---|-----------------------|------------------|
| Test:U:220.8V I:0.3440A P:75.03W PF:0.9880 Lamp Flux:10719x1 lm | | |
| NAME: OPCITYIII-75W-4070-6C1T2S-70 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 0.44X0.195X0.04 | SERIAL No.:1 |
| MFR.: LUXSUN | SUR.:0.16X0.12 | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```